



## ISSP Management JEM-EF Power & Flow Design Limit Directive

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- Due to the JEM-EF system constraint to meet the external payload complement needs for power and fluid flow rate during the 2018-2020 timeframe to allow all of them to operate continuously at the same time, ISSP is directing PDs to design their instruments to perform within the limitation of the JEM-EF system capability in order to minimize payloads real time operation timelining
  - \*JEM-EF system can support the following during the 2018-2020 timeframe:
    - Maximum fluid flow per payload: **151 kg/hr**
    - Maximum Power draw per payload: **500 W**
    - Maximum accumulator volume: **2L**
- \* Deviation from these values above will significantly increase the likelihood of that payload complement to be timeline during real time operation of that increment, which means less continuous on-orbit operation of all the payloads in that increment at the same time